

FOREARM CAMERA MOUNT

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BACKGROUND OF THE INVENTION

The present invention relates to video camera mounting and more particularly pertains to a new video camera mounting Apparatus for mounting to your forearm for the use of but not limited to Archery.

The use of video camera mountings is known in the prior art. More specifically, video camera mountings heretofore Devised and utilized are known to consist basically of familiar expected and obvious structural configurations Notwithstanding the myriad of designs encompassed by the crowded prior art which have been developed for the fulfillment of countless objectives and requirements.

Known prior art includes US. Pat. No. 4,244,500; US. Pat. No. 4,509,667, US. Pat. No. 4,692,807, US. Pat. No. 4,746,043, US. Pat. No. 5,229,798. While these devices fulfill their respective, particular objectives and requirements. The aforementioned patents do not allow the hand free use or proper camera angle for filming the archery shot.

SUMMARY OF INVENTION

The camcorder support includes an arm/wristband which completely envelopes the arm and wrist to minimize relative movement there between. A thumb hole is provided, permitting the arm/wrist band to cover most of the hand while providing free finger and thumb movement.

The arm/wrist band and support bracket are strapped to the arm and wrist of the user using straps and Fasteners to hold the arm, wrist, support and camcorder in a fixed relationship so that the camcorder movement is basically limited to movement of the user's elbow.

It is therefore an object of the present invention to provide a new video camera mounting apparatus that Allows an archer to hold the bow while the video camera records

BRIEF DESCRIPTION OF THE DRAWINGS

FIG. 1 is a rear elevational view of the forearm camera support in its disassembled form.

FIG. 2 is a side perspective view of the forearm camera support in its disassembled form.

FIG. 3 is a side perspective view of the camera and the forearm camera support in its assembled form.

FIG. 4 is a rear elevational view of the arm/wrist band and the bracket in their disassembled form.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENT

This application pends from provisional application No. 60/391,218 filed on 06/26/2002.

The camcorder bracket 9 of the present invention is designed to support a camcorder, videocam or other lightweight video camera 22 mounting it to your forearm 23 using the arm/wrist band 10.

In the preferred embodiment the arm/wrist band 10, and palm strap 11 are made of leather or other suitable, flexible and non-stretchable material.

The arm/wrist band 10 includes multiple holes 18 for securing the bracket 9. A Velcro fastening material 8 is arranged on the surface of glove 10 there of to extend along substantially two-thirds of it's length. One end of a plural pair of straps 2 is arranged to extend around a persons forearm 23 and through a slot 5 of a clip 3 and is then folded back on itself and is suitably secured using a loop Velcro connector 8 located on the surface of arm/wrist band 10 and hook Velcro connectors 7 located on strap 2, which are adjustable to accommodate the varying physical contours of users.

While Velcro brand fasteners are shown in the preferred embodiment because of the convenience and inherent adjustability. It would be readily understood by those skilled in the art that other fastener means could be utilized for securing the forearm straps 2 and the stabilizing strap 13 to the glove 10.

The arm/wrist band 10 includes multiple clips 3 which contain two slots 4 and 5 and are fastened to the arm/wrist band 10 by material 6, one end of material 6 is fastened to arm/wrist band 10 the other end of material 6 then extends through slot 4 and is folded back on itself and is fastened to the arm/wrist band 10 for example by sewing.

The palm strap 11 which is connected to the arm/wrist band 10 forms a finger hole 12 which assists in positioning the arm/wrist band 10 as the forearm 23 of the user by inserting your four fingers into finger hole 12.

Typically the camera supporting bracket 9 is made of a rigid, unitary construction such as steel or hard plastic or the like.

The camera supporting bracket 9 comprises multiple bore holes 15 for mounting a camera 22. A fastening means not shown, a slightly curved slot 16 for vertically adjusting the bracket 9, and multiple holes 17 used for assembling the bracket 9 to the arm/wrist band 10. The bracket holes 17 also enable any vertical movement of bracket 9 once desired vertical tilt is achieved.

Bracket holes 15 are used to mount a video camera 22 to bracket 9 which of the holes 15 is used is determined By the location of the video camera 22 tripod mounting hole. Hole 15 is also used to fasten strap 13 to the bottom of bracket 9.

The inner surface of bracket 9 lies flush with the outer surface of the arm/wrist band 10. Screws 20 are then inserted through washers 19 and then extend though holes 18 of the arm/wrist band 10 and holes 17 and slot 16 of bracket 9. Locking nuts 21 are then screwed onto the shank of bolts 20 securing bracket 9 to arm/wrist band 10.

After securing arm/wrist band 10 to forearm 23 and securing camera 22 to bracket 9, strap 13 is then wrapped around the top of camera 22 and fastened to the arm/wrist band 10 using hook Velcro connector 14 to loop Velcro connector 8..